

**Classification**

Carbohydrate

**Prehospital Indication**

Hypoglycemia: blood glucose < 60mg/dL

**Other Common Indications**

None

**Adult Dose**

**Dextrose 10% in water, 125 mL IV** and reassess, if patient remains symptomatic, repeat x1 for a total of 250 mL

**Pediatric Dose**

<24 kg: **Dextrose 10% in water, 5mL/kg IV in 1mL/kg** increments dose per [MCG 1309](#), reassess for clinical improvement after every 1mL/kg. Administer slow IVP. May repeat as needed, maximum total dose 5mL/kg. Recheck glucose prn after 3mL/kg infused.

= or >24 kg, **Dextrose 10% in water, administer 125mL IVPB** and reassess, continue infusion as needed with maximum dose of 5mL/ kg

**Mechanism of Action**

Principal form of glucose (sugar) used by the body to create energy

**Pharmacokinetics**

Onset < 1min, peak effect dependent upon degree and cause of hypoglycemia

**Contraindications**

None

**Interactions**

None

**Adverse Effects**

Pain or burning at injection site

Phlebitis or thrombosis in vein of administration

**Prehospital Considerations**

- Confirm the IV line is patent prior to administration as severe tissue necrosis may occur with extravasation.
- Report and record blood glucose levels before and after administering this solution.